

To: Christopher.Saari@wisconsin.gov[Christopher.Saari@wisconsin.gov]
Cc: Egan, Robert[egan.robert@epa.gov]; KHanson@ldftribe.com[KHanson@ldftribe.com]; Ken Lassa[klassa@reiengineering.com]
From: Dave Larsen
Sent: Tue 3/1/2016 9:12:43 PM
Subject: RE: Tower Standard Update
[Elevation and Geo-Location Data.pdf](#)
[Well Construction \(MW16-22\).pdf](#)
[Soil Disposal - MW16-22.pdf](#)

Chris, below should be the remaining missing documentation specific to the work completed to date at Tower Standard. This includes the following:

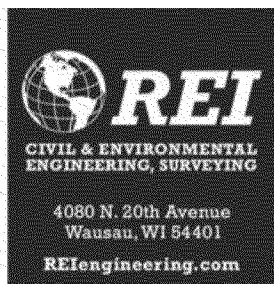
- Elevation data (both top of casing and ground elevation) at all wells and ground elevation at the borings. Geolocation data (PENZD format) for all REI installed borings and known borings completed under direction of Tribe for perchlorate/VOC investigation.
- Well construction forms – previously submitted pdf document was corrupted and not all forms were viewable.
- Soil disposal documentation from well installation specific to well nests MW16-MW22. REI retained SGS to pick up the 21 soil drums on site and transport to the Lincoln County Landfill biopile for disposal.

REI is currently working on a report documenting site activities completed to date. This report will be shared with all parties upon completion.

Thank you,

David N. Larsen P.G




Hydrogeologist / Professional Geologist



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From: Hanson, Kristen [mailto:KHanson@ldftribe.com]
Sent: Thursday, February 25, 2016 12:38 PM
To: Dave Larsen <dlarsen@reiengineering.com>
Cc: Christopher.Saari@wisconsin.gov; egan.robert@epa.gov; Allen, Dee <dee.allen@ldftribe.com>; Wawronowicz, Larry <lwawronowicz@ldftribe.com>
Subject: FW: Tower Standard Update

Dave,

Chris let us know that groundwater sampling is being considered for March.

The Department issued a conditional approval to complete work described in your Well Installation Proposal dated October 26th, 2015. The conditions of the work have not been met. These conditions will need to be met before any new work can proceed.

Still Outstanding Conditions of Previous Work Include:

3) Well and Boring Logs be provided to the Tribe within 1 week of installation.

Six of the fourteen well logs were received on December 11, 2015. Eight Well Logs have still not been received. Both the boring and well logs are incomplete and lack location information.

4) All Investigative Waste documentation be provided to the Tribe within 30 days.

Yesterday, water disposal documentation was received through Chris Saari. No documentation for investigative soil waste has been received.

6) Results and Reports are provided to the Tribe concurrent with any submittal to any other agency.

Survey location information, missing logs, and investigative waste documentation for soil cuttings are all outstanding conditions of previous work. These conditions are minimal requirements that allow environmental work to be performed on the reservation.

Also, field notes are mentioned in EPA's January 2nd letter to Bill and Linda. These will help Bill and Linda meet their Federal and Tribal assessment and cleanup requirements.

We understand that you are contemplating slug tests and Bob has provided you feedback. Once you send the Tribe a SOW, the Department can process an approval to complete work. Also, you will need to give notice to the Tribe no later than 10 working days prior to the commencement of any activity.

Kristen Hanson

Environmental Specialist

Tribal Natural Resource Department

Lac du Flambeau Band of Lake Superior Chippewa Indians

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From: Saari, Christopher A - DNR [<mailto:Christopher.Saari@wisconsin.gov>]

Sent: Wednesday, February 24, 2016 1:44 PM

To: Egan, Robert (egan.robert@epa.gov); Hanson, Kristen

Cc: Robinson, John H - DNR

Subject: Tower Standard Update

Hi Bob and Kristen:

I wanted to give you a brief summary of a call that I had with Dave Larsen of REI this morning. I was able to go through a list of outstanding issues, and these are our comments. Let me know if you have any questions.

- Locational information for soil borings and monitoring wells – Larsen indicated that all borings and wells were surveyed, and that he will provide the locational information to me shortly. I will then share it with you both.
- Missing monitoring well construction forms – This relates to the problem with the PDF attachment to Larsen’s “Tower #5” email from February 8; we were unable to read the final seven pages of that document. Larsen said that he would provide me the well construction reports for MW-19, MW-19@35-40, MW-20, MW-20@20-25, MW-21, MW-21@35-40, MW - 22 and MW-22@35-40.
- Information sharing – Larsen said that he would ask REI’s IT people to look into setting up a file share service that would be accessible to DNR, EPA and the tribe. Such an arrangement would allow Larsen to email all parties simultaneously and we could then have access to that information at the same time. Larsen noted that documents would only be available on this file share for a limited time (30-60 days), so we would have to copy the information to our own computers rather than relying on the file share to serve as an archive.
- Vapor Intrusion – Larsen said that Linda Kozak recently informed him that the hotel is currently shut down, so this might be a good time to collect indoor air samples. I said that I am waiting to hear back from EPA or the tribe regarding who will perform the VI assessment.
- Hydraulic conductivity testing – Larsen indicated that he was waiting for comments from EPA and the tribe on his proposal. I told Larsen that I would forward him emails with the comments I’ve received to date.
- REI dumping complaint – I relayed to Larsen my February 19 conversation with Kristen about the alleged dumping of contaminated water in Haskell Lake. The attached message from REI documents their disposal of investigative waste generated at the site last fall.
- Second round of groundwater sampling – Larsen asked about proceeding with the previously-approved second round of sampling. He indicated that it could probably happen during the week of March 7 or March 14. I said that we’ll need to make sure that the proper notifications are made before the sampling occurs.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Chris Saari
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